

## Samsung Series 9 QE55S90CATXXU TV 139.7 cm (55") 4K Ultra HD Smart TV Wi-Fi Black

**Brand :** Samsung

**Product family:** Series 9

**Product code:**  
QE55S90CATXXU

**Product name :**  
QE55S90CATXXU



- OLED: Pure blacks and infinite contrast meets vibrant colours from Quantum Dot
- Quantum HDR OLED: Powerful HDR OLED brightness for lifelike picture detail
- Neural Quantum Processor 4K: Our most powerful 4K AI processor upgrades content to 4K resolution
- Anti-Reflection Screen: Experience the brilliant picture from every angle, with minimal distracting glare
- Dolby Atmos®: Virtual surround sound with Dolby Atmos Technology

2023 55" S90C OLED 4K HDR Smart TV

Samsung Series 9 QE55S90CATXXU. Display diagonal: 139.7 cm (55"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: OLED, Screen shape: Flat. Smart TV. Motion interpolation technology: Motion Xcelerator Turbo Pro, Native aspect ratio: 16:9. Digital signal format system: DVB-C, DVB-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black



Display		Performance	
Display diagonal *	139.7 cm (55")	Noise reduction *	✓
HD type *	4K Ultra HD	High Dynamic Range (HDR) supported *	✓
Display technology *	OLED	AMD FreeSync	✓
Screen shape *	Flat	AMD FreeSync type	FreeSync Premium
Native aspect ratio *	16:9	Game features	Mini Map Zoom, Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Motion Plus, Super Ultra Wide Game View
Motion interpolation technology *	Motion Xcelerator Turbo Pro		
Native refresh rate	120 Hz		
Display refresh rates supported	144 Hz	4K Ultra HD upscaling	✓
Display number of colours	1.07 billion colours	SmartThings app support	✓
Display resolution *	3840 x 2160 pixels	Wireless Dex support	✓
Display diagonal (metric)	139 cm	Multi View	✓
Anti-glare screen	✓	MBR support	✓
TV tuner		USB recording	✗
Tuner type *	Analog & digital	Ports & interfaces	
Digital signal format system *	DVB-C, DVB-S2, DVB-T2	HDMI version	2.1
Number of tuners	2 tuner(s)	PC in (D-Sub) *	✗
Smart TV		Ethernet LAN (RJ-45) ports	1
Smart TV *	✓	USB 2.0 ports quantity *	2
Internet TV *	✓	Digital audio optical out	1
Operating system installed *	Tizen	RF ports quantity	2
Timeshift	✓	Common interface (CI) *	✓
Screen mirroring	✓	Common interface Plus (CI+) *	✓
Sound mirroring	✓	Common interface Plus (CI+) version	1.4
Hybrid Broadcast Broadband TV (HbbTV)	✓	HDMI ports quantity *	4
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.3	Consumer Electronics Control (CEC)	Anynet+
Smart modes	Filmmaker, Game	AC (power) in	✓
Far-field voice interaction	✓	Management features	
TV initiate mirroring	✓	Control type	Wireless
Video apps	Samsung TV Plus	Voice guide	✓
		Electronic Programme Guide (EPG)	✓

Audio		Management features	
Number of speakers *	3	On Screen Display (OSD)	✓
RMS rated power *	40 W	Number of OSD languages	28
Audio output channels	2.1 channels	Picture-in-Picture	✓
Built-in subwoofer	✓	Auto power off	✓
Audio decoders	Dolby Atmos, Dolby MS12	Works with Samsung Bixby	✓
Audio pre-selection descriptor	✓	Universal Browse & Play	✓
Q-Symphony	✓		
Music wall	✓		
Active voice amplifier (AVA)	✓		
Adaptive sound+	✓		
Multiroom	✓		
Multiroom audio technology	Samsung Multiroom Link		
Network		Power	
Wi-Fi *	✓	Power consumption (typical) *	82 W
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Power consumption (standby) *	0.5 W
Bluetooth *	✓	Power consumption (max)	310 W
Bluetooth version	5.2	Energy efficiency class (SDR) *	G
Ethernet LAN *	✓	Energy efficiency class (HDR) *	G
Web browser	✓	Energy consumption (SDR) per 1000 hours *	82 kWh
Design		Energy consumption (HDR) per 1000 hours *	134 kWh
Product colour *	Black	AC input voltage	220 - 240 V
VESA mounting *	✓	AC input frequency	50 - 60 Hz
Panel mounting interface	300 x 200 mm	Energy saving mode	✓
Introduction year	2023	Energy efficiency scale	A to G
Bezel type	4 Bezel-less		
Stand type	Center stand		
Stand colour	Black		
Performance		Brand-specific features	
High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG), Quantum HDR	Samsung technologies (AV/TV)	Motion Xcelerator Turbo Plus
Game mode	✓	Weight & dimensions	
Teletext function	✓	Width (with stand)	1225.4 mm
Subtitles function	✓	Depth (with stand)	265.9 mm
Ambient light sensor	✓	Height (with stand)	773.5 mm
Ambient mode	Ambient Mode+	Weight (with stand)	18.2 kg
Eco sensor	✓	Width (without stand)	1225.4 mm
Brightness detection	✓	Depth (without stand)	39.9 mm
Colour detection	✓	Height (without stand)	708.6 mm
AI Upscale	✓	Weight (without stand)	16.2 kg
TV key support	✓	Stand width	36.6 cm
Picture processing technology	Neo Quantum Processor 4K, Samsung Real Depth Enhancer	Stand depth	26.6 cm
		Packaging data	
		Package width	1385 mm
		Package depth	153 mm
		Package height	833 mm
		Package weight	24.4 kg
		Package type	Box
		Packaging content	
		Cables included	AC
		Remote control included	✓
		Remote control type	TM2360E (UK + TM1240A)
		E-manual	✓



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